

<b>X8C SAFETY CHECKLIST</b>			BROOKHAVEN NATIONAL LABORATORY NATIONAL SYNCHROTRON LIGHT SOURCE
<b>Rev: A</b>	<b>Effective: 5/15/05</b>	<b>Page 1 of 1</b>	Number: LS-SCL-0018
Reviewed by: Thomas McDonald		Reviewed by:	<b>Approved by: A. Ackerman</b>

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- ☐ 1. Valid Padlock Index and log, no padlocks open

Note: Bremsstrahlung shield (BS #1) is located downstream of shield wall in an inaccessible part of the beamline, and therefore not part of the Safety checklist

*Check Items 2 through 14, starting at X8A mirror and proceed downstream along X8A*

- ☐ 2. Bremsstrahlung shield (BS #2) in place and secure.
- ☐ 3. Lead glass on collimating mirror upstream view port.
- ☐ 4. Lead glass on (3) collimating mirror downstream view ports. Check on X9 side.
- ☐ 5. Lead shielding on Bellows located downstream of the collimating mirror.
- ☐ 6. Bremsstrahlung shield (BS #3) in place and secure.
- ☐ 7. Lead glass on 8" view port on Bench 3. Check from X9 side of beamline.
- ☐ 8. Bremsstrahlung shield (BS #4) in place and secure.
- ☐ 9. Lead shielding on Bellows between Bench 3 and monochromator
- ☐ 10. Lead shielding on Monochromator, and Bremsstrahlung shield (BS #5) in place and secure as per photo.
- ☐ 11. Lead glass on 2-3/4" view port upstream side of monochromator.
- ☐ 12. Lead glass on 6" view port upstream side of monochromator.
- ☐ 13. Lead shielding on Monochromator, and Bremsstrahlung shield (BS #6) in place and secure as per photo.
- ☐ 14. Lead glass on 6" view port. View port shielded with lead.

*Check Items 15 through 19 on X9 side of beamline starting at the X8C monochromator*

- ☐ 15. Lead shielding on bellows downstream of monochromator
- ☐ 16. Lead glass on 2-3/4" view port downstream of monochromator.
- ☐ 17 (A, B, C, D, E, F, G, H). Lead glass on focusing mirror view ports. View ports all shielded with lead as per photo.
- ☐ 18. Lead shielding on Bellows located behind the X8A monochromator.
- ☐ 19. Exclusion Zone (EZ #4) in place as per photo. Two 10" sections of angle iron secured with hose clamps to the outside of X8C beam pipe, just upstream of the hutch. Check from X8A side of beamline.
- ☐ 20. Lead glass on 8" view port upstream of hutch.
- ☐ 21. Bremsstrahlung shield (BS #7) back stop in place and secured inside X8C hutch.

Checked by: \_\_\_\_\_ Date: \_\_\_\_\_

OPCO: \_\_\_\_\_ Date: \_\_\_\_\_